



Republika ng Pilipinas
National Irrigation Administration
 (PAMBANSANG PANGASIWAAN NG PATUBIG)
 Lungsod ng Quezon

Annex "B"

SUMMARY OF CY 2019 PROGRAM OF WORK (POW)

REGION/PMO	: Region IV-A / Quezon IMO	Program No. :	1
PROJECT TITLE :	: RRECIS	Date:	September 2018
NAME OF SYSTEM/PROJECT	: MORAN CIS		
SYSTEM CATEGORY (NIS/CIS,NIP/SIP)	: Communal Irrigation System (CIS)		
PROJECT DESCRIPTION	: Construction of Canal Lining and Canal Structures		

I GENERAL INFORMATION				
1. Project Location		6. Overall Project Cost (P)	Original	Revised
a. Region	IV- A	a. GOP		
b. Province/	Quezon	b. Loan Proceeds		
City / Municipality	Sariaya	c. Others (Equity,etc.)		
District	II	TOTAL		
2. Service area/ Designed area (Ha.)	100 has.	7. Physical Target (Overall)		
3. Source of Water	Morong River	a. New Area (Ha.)		
3. a. Drainage Area		b. Restored Area (Ha.)		
3. b. Dependable Flow		c. Repair works (Ha.): (specific for rehab.)	40	
		d. Other Activities: (pls. specify)		
4. Type of Irrigation		5. PT of Diversion	8. Overall Implementation Schedule	Original
		Latitude	Longitude	Revised
a. Run off the River		13°56' 09"	121°33'09"	
b. Reservoir				
c. Ground Water Pump				
d. Others (surface pump)				
		a. Physical Starting Date	February 2018	
		b. Completion Date	June 2018	

II WORK TO BE DONE (OVERALL Program)				
1. Performance Weight		4. Physical Target		
a. Contract Works (Civil Works)	94.51%	a. New Area (Ha.)		
b. Force Account Works	0.00%	b. Restored Area (Ha.)		
c. Others	5.49%	c. Repair works (specific for rehab.)		
TOTAL	100%	d. Other Activities: (Pls. specify)		
2. Starting Date:	February 2018			
3. No. of days to Complete	150 days			

III BREAKDOWN OF CURRENT YEAR PROGRAM				Submitted by:
	Field Office	Central Office	Total	 ELENA S. VILLENA Engineer A
DIRECT COST				
1. CIVIL WORKS				
a. Contract Works	3,307,929.41		3,307,929.41	
b. Force Account Works				
2. INSTITUTIONAL DEV'T PROGRAM	52,500.00		52,500.00	
3. CONSTRUCTION SURVEY	34,570.59		34,570.59	
4. PARCELLARY MAPPING/ SURVEY				
5. RIGHT OF WAY ACQUISITION PLANT/PROPERTY DAMAGES				
6. PROCUREMENT OF EQUIPMENT & VEHICLES				
7. FIELD SUPPORT, SUPERVISION & MONITORING	105,000.00		105,000.00	 REYNALDO M. CRISOSTOMO Sr. Engineer A
8. CONSULTING SERVICES				
9. TAXES (For selected FAPs)				
10. CONTINGENCIES				
TOTAL DIRECT COST	3,500,000.00		3,500,000.00	Approved by:
				 FIDEL P. MARTINEZ Division Manager A
				Noted by:
				 GLORIOSA L. HERNANDEZ -ROMEO M. LOPEZ Acting Regional Manager 10/26/18

IV. SOURCES OF FUNDS				
A. CAPITAL OUTLAY				
1. GOP				
2. Loan Proceeds				

MORAN CIS
PROJECT COST AND QUANTITIES DETAILED BREAKDOWN
CURRENT YEAR 2019 / OVERALL PROGRAM OF WORK

Attachment "D"

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	ESTIMATED DIRECT COST		INDIRECT COST				TOTAL	
				UNIT COST	TOTAL EDC	OCM	PROFIT	VAT	TOTAL	UNIT COST	PROJECT COST
A.	Direct Cost										
	1. Civil Works										
	1. Contract Works										
	CANAL STRUCTURES										
	1. Class "A" Concrete (Flume)	cu. m.	6.51	13,285.59	86,489.19	1,992.84	1,328.56	830.35	4,151.75	17,437.34	113,517.08
	2. Class "A" Concrete (Flooring)	cu. m.	7.79	9,843.68	76,682.27	1,476.55	984.37	615.23	3,076.15	12,919.83	100,645.48
	3. Class "A" Concrete (Wall & Tie Beam)	cu. m.	14.50	11,438.68	165,860.86	1,715.80	1,143.87	714.92	3,574.59	15,013.27	217,692.42
	4. Class "B" Concrete (Flooring)	cu. m.	72.64	8,812.27	640,123.29	1,321.84	881.23	550.77	2,753.84	11,566.11	840,162.23
	5. Class "B" Concrete (Wall & Tie Beam)	cu. m.	120.48	10,559.52	1,272,210.97	1,583.93	1,055.95	659.97	3,299.85	13,859.37	1,669,776.90
	6. Grouted Riprap	cu. m.	17.02	6,000.56	102,129.53	900.08	600.06	375.04	1,875.18	7,875.74	134,045.09
	7. Filter Drain	cu. m.	1.80	3,576.20	6,437.16	536.43	357.62	223.51	1,117.56	4,693.76	8,448.77
	8. Structure Excavation (Manual)	cu. m.	553.00	122.67	67,836.51	18.40	12.27	7.67	38.34	161.01	89,038.53
	9. Structure Backfill (Manual) with Compaction	cu. m.	402.00	196.27	78,900.54	29.44	19.63	12.27	61.34	257.61	103,559.22
	10. Borrow Haul with Compaction (Manual)	cu. m.	53.00	446.27	23,652.31	66.94	44.63	27.89	139.46	585.73	31,043.69
	TOTAL				2,520,322.63						3,307,929.41
	TOTAL CIVIL WORKS										3,307,929.41
	2. Institutional Development Program	l.s.	1.00							52,500.00	52,500.00
	3. Construction Survey	l.s.	1.00							35,000.00	34,570.59
	4. Field Support, Supervision & Monitoring	l.s.	1.00							105,000.00	105,000.00
	B. INDIRECT COST										
	Contingency										
	TOTAL										
	GRAND TOTAL										3,500,000.00

MASTERLIST OF ITEM OF WORKS
MORAN COMMUNAL IRRIGATION SYSTEM
 Sariaya, Quezon

BY CONTRACT
 FUND SOURCE: RRECIS CY 2019

Attachment "G"

ITEMS OF WORK	LOCATION	STATIONING		CLASS "A" CONCRETE			CLASS "B" CONCRETE		GROUTED RIPRAP	FILTER DRAIN	STRUCTURE EXCAVATION (Man.)	STRUCTURE BACKFILL (Man.) w/ Compaction	BORROW HAUL (Man.) w/ Compaction
				Flume	Flooring	Wall & Tie Beam	Flooring	Wall & Tie Beam					
				cu. m.	cu. m.	cu. m.	cu. m.	cu. m.					
TRACT WORKS													
I. CANAL STRUCTURES													
1 Proposed Canal Lining	MC	3+021.30	3+096.30	75	5.46	10.17					15.00	15.00	4.00
2 Proposed Canal Lining	MC	3+096.30	3+226.30	3			11.15	17.77			19.00	19.00	3.00
3 Proposed Canal Lining	MC	3+227.30	3+260.00	37.3			2.38	4.44			5.00	3.00	
4 Proposed Canal Lining	MC	3+260.00	3+285.00	25			1.82	3.39			1.00	1.00	3.00
5 Proposed Canal Lining	MC	3+348.00	3+380.00	32	2.33	4.33					2.00	2.00	8.00
6 Proposed Canal Lining	MC	3+380.00	3+401.30	21.3			1.55	2.88			2.00	2.00	3.00
7 Proposed Canal Lining	DSFD 2-MC	0+000.00	0+067.30	67.8			4.90	9.12			20.00	8.00	
8 Proposed Canal Lining	DSFD 2-MC	0+068.30	0+140.00	71.7			5.22	7.85			28.00	25.00	
9 Proposed Canal Lining	DSFD 2-MC	0+140.00	0+185.00	45			3.28	4.93			25.00	23.00	
10 Proposed Canal Lining	DSFD 2-MC	0+185.00	0+220.00	35			2.55	3.84			6.00	6.00	32.00
11 Proposed Canal Lining	DSFD 2-MC	0+220.00	0+384.50	164.5			11.98	22.31			152.00	144.00	
12 Proposed Flume	DSFD 2-MC	0+384.50	0+403.50		6.51				17.02	1.80	58.00	25.00	
13 Proposed Canal Lining	DSFD 7-MC	0+000.00	0+200.00	200			14.56	21.92			160.00	83.00	
14 Proposed Canal Lining	DSFD 7-MC	0+200.00	0+302.00	102			7.43	11.18			34.00	22.00	
15 Proposed Canal Lining	DSFD 7-MC	0+320.00	0+400.00	80			5.82	10.85			26.00	24.00	
TOTAL				6.51	7.79	14.50	72.64	120.48	17.02	1.80	553.00	402.00	53.00

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